NORTH CAROLINA STATE UNIVERSITY

SPRING COMMENCEMENT

May 10, 2013

DEPARTMENT OF CHEMICAL AND BIOMOLECULAR ENGINEERING

Graduation Ceremony

McKimmon Center
North Carolina State University
Raleigh, North Carolina

7 - 8:30PM
DEPARTMENT OF CHEMICAL AND BIOMOLECULAR ENGINEERING
GRADUATION CEREMONY

Friday, May 10, 2012

Program

7:00 PM  Introductory Remarks and Introduction of the Faculty
Dr. Peter Fedkiw, Department Head

Introduction of Alumni Speaker
Dr. Russ O’Dell

Remarks by Alumni Speaker
Theresa Snyder

Introduction of Student Speaker
Dr. Lisa Bullard

Remarks by Student Speaker
Isaac Kichak

Recognition of Graduates

8:30 PM  Closing

Faculty and Staff

Sandra S. Bailey  Kirill Efimenko  Wesley A. Henderson  Steven W. Peretti
Ken Beatty  Peter S. Fedkiw  Harold B. Hopfenberg  Balaji M. Rao
Chase L. Beisel  Richard M. Felder  Robert M. Kelly  Gregory T. Reeves
Kathleen Berding  Michael C. Flickinger  Saad A. Khan  Erik E. Santiso
Lisa G. Bullard  Jan Genzer  Shirley Kow  Barbara E. Smith
Ruben G. Carbonell  Christine S. Grant  H. Henry Lamb  Richard J. Spontak
Matthew E. Cooper  Keith E. Gubbins  Fanxing Li  Alison J. Stieglitz
Joseph M. DeSimone  Carol K. Hall  P.K. Lim  Orlin D. Velev
Michael D. Dickey  Diane F. Harper  June W. McKoy  Rajani Verghese
Saundra L. Doby  Jason M. Haugh  David F. Ollis  Phillip R. Westmoreland
Angela Efimenko  Sheila M. Hayes  Russ O’Dell  Hubert Winston

Student Marshals

Madison Barefoot, Andrew Crothers, Claire Kilmer, Amy Lawrence, John Lee,
Ngan Nguyen, Uriel Rivera Quintero, Jonathan Sherron
Alumni Speaker – Theresa Snyder

Theresa Mooney Snyder is a 1985 BS Chemical Engineering graduate. While at NC State, she was a Caldwell Scholar and was active in the NC Fellows, AIChE, SWE, and the NC State Student Alumni Association. She began her career as a process engineer with Exxon (now ExxonMobil) at their oil refinery in Baton Rouge. She was very active with SWE on the local and national levels and was selected as a SWE Distinguished New Engineer in 1993. After three years at Exxon, she pursued her interest in sales/consulting by joining Betz Process Chemicals (now GE Betz). During this time, Theresa also served on the NCSU Chemical Engineering Advisory Board. When Betz was acquired by Hercules in 1998 Theresa elected to make the leap to a completely different industry and joined Fisher HealthCare, now a part of Thermo Fisher Scientific. Theresa was a top tier performer every year and was selected as a “Blue Jacket” in recognition of her continuous sales success. She was promoted to Corporate Account Executive in 2010. In 2012 Theresa left Fisher and moved into a larger role on the manufacturing side with Quidel Corporation, a smaller diagnostics company. Theresa resides in Houston, TX where her most important role is that of “mom” to her daughter Kelly, a freshman majoring in elementary education at the University of Texas, and her son Daniel, a sophomore at Kingwood High School. Her favorite activities include travel with her fiancé Bryan Freeman and watching Daniel play drums in the marching band or defend on the soccer team.

Student Speaker – Isaac Kichak

Isaac Kichak is a native of Cary, North Carolina. He graduated from Cary High School and attended NC State to pursue Chemical Engineering with minors in business administration and pulp and paper technology. Both of his parents and brother hold degrees from NC State. While at NC State, Isaac has been active in the student chapter of the American Institute of Chemical Engineering holding various roles including chapter president. Isaac conducted undergraduate research for the department working with polymer host-guest inclusions, and led a project to build a solar pavilion to raise awareness of alternative energy sources. He has participated in alternative service break trips to El Salvador as a team member and a leader to build houses with the Fuller Center. His other involvements include Engineer’s Council, Club Ice Hockey, University Scholars, and Ski and Snowboard Club. Isaac’s summer experiences include studying abroad in New Zealand, and internships with Ashland Inc., FMC Lithium, and ExxonMobil. Isaac was selected for the Senior Award for Leadership by the CBE department. After graduation, Isaac will join ExxonMobil Refining and Supply as a Contact Engineer at the Joliet Refinery in Illinois.

Theresa Snyder
Isaac Kichak
Doctor of Philosophy Recipients

Shoeb Ahmed  
Advisor: Dr. Jason Haugh
Joshua Patrick McClure  
Advisor: Dr. Peter Fedkiw
Joshua Lee Allen  
Advisor: Dr. Wesley Henderson
Stefano Menegatti  
Advisor: Dr. Ruben Carbonell
Andrew David Frock  
Advisor: Dr. Robert Kelly
Christina Tang  
Advisor: Dr. Saad Khan
Mohammad Abouelreesh Abdrabouth Hassan  
Advisor: Dr. Saad Khan and Dr. Behnam Pourdeyhimi
Ahmet Burak Ucar  
Advisor: Dr. Orlin Velev
Jessica Shawn Jenkins  
Advisor: Dr. Michael Flickinger and Dr. Orlin Velev

Master of Science Recipients

Patrick John Fahey  
Mohammed Gamal Abdel Naser Mohammed
David Wade Gates (D)  
Nicoletta S. Prassas (D)

Graduate Student Accomplishments

- Joshua Lee Allen – DOD SMART Scholarship Recipient, 2009-2013; Recruiting Captain, 2010; GSA Social Chair, 2010
- Andrew David Frock – NIH Molecular Biology Training Program Trainee; Molecular Biotechnology minor
- Mohammad Abouelreesh Abdrabouth Hassan – Graduate Certificate in Nonwovens Science and Technology; Phi Kappa Phi Honor Society, 2010; Golden Key International Honor Society, 2010; Omega Chi Epsilon, the ChE Honors Society, 2011; Poole Leadership & Innovation Showcase, Poole College of Management, NC State University, 2nd place, 2012; Schoenborn Symposium 3rd Place, 2013
- Joshua Patrick McClure – NCSU Deans Fellowship, 2008; Schoenborn Symposium Poster Finalist, 2010; DOD SMART Graduate Fellowship Recipient, 2010-Present; Electrochemical Society Graduate Student Poster Winner, 2010; MRS Graduate Student Poster Finalist, 2011; B.S. Baker Student Award (Honorable Mention), 2012
- Stefano Menegatti – Grand Challenges in Biomanufacturing Fellowship 2009-2011, Elected to Omega Chi Epsilon; Golden Key International Honor Society
- Christina Tang – US DOE GAANN Fellow
- Ahmet Burak Ucar – GSA Webmaster, 2008-2009; Vice President, Materials Research Society (MRS) NCSU Student Chapter, 2009-2010; Schoenborn Symposium poster presentation, 3rd place 2010
Bachelor of Science Graduates

Rafael Aguilera
Erik Taylor Alvarez
Joshua Nicholas Amick *
Joseph Raymond Andolsen (C) *
Joshua Daniel Armstrong *
Jason Barry Baker (C)(UHP) ***
Daniel Paul Balogh **
Robert Kyle Bennett (V) ***
Celeste LeAnn Bergey # *
Kyle Andrew Black
Eric Clifton Blake (C) ***
Joel Chaouki Boulos
Bethany Charlotte Brewer (S) ***
Garret Landon Brouette
Joseph Scott Brown (V)(UHP) ***
Christine Marie Burdett (S) ***
Walker Lee Burnette
Ahmad Ziyad Buseaileh
Lauren Elizabeth Cagley (UHP) ***
Jeffrey Paul Campey, Jr.
Aaron Craig Cartrette
Oswaldo Joel Chavez
Shanthan Citineni #
Lesley Allen Cook **
Alexander Ross Covington **
Jacob Chancellor Cowart (C) **
Bryan Patrick Creviston
Ransford Kenya Dampity
Kevin Martin Daniel
Chelsea Blaire Daughtridge
James Scott Dickmann (S)(H) **
Michael Joshua Doriain ***
Bassil Mohamad El-Zaatari (UHP) ***
Jessica Marie Ewy ***
Enting Fan (C) *
Pio Moises Figueroa-Contreras *
Dustin Noel French
Derek Angelo Frick (C)(UHP)(H) ***
Glenn Dale Garrison (UHP) *
Matthew Jarrott Gates
Jonas Burnham Gilbert #
Ida Wambui Gituth **
Kyle Nicholas Goodman (V) ***
James Atticus Gray
Laura Elizabeth Hardesty
Dylan Chase Haskew ***
Anthony William Hathaway
Adrien Hauswald (C) ***
James Robert Hensley *
Kathryn Amanda Hodges (S)(C) **
John Whitaker Hutton *
Jamie Lee Johnson
Brandon Scott Jones
Benjamin Thomas Jordan (C) **
Keith David Keller #
Ashley Lynn Kelly **
Isaac Paul Kichak (S) ***
Heidi Elizabeth Klumpe # (H)(UHP)(V) ***
Anirudh Kota*
Mitchell Alden Lancaster
Charles Alex Lance **
Christin Blake Lane **
Marguerite Jurczynski LaRonde
Trevor Coy Lawson **
Esther Meemir Lee ***

Lawrence Lee
Sarah Kaitlyn Long ***
Cayle Elizabeth Machek ***
Ashley Jasymn Massey **
Logan Robert Scruggs Maxwell **
Steven Andrew Mazur (S) **
Keith Rowles McGrath *
Kimberley Marie McCreary
Brittany Michelle McKinney
Heather Dawn McMahon
Richard Alan McNeil, Jr. (C)
Madison Grey Meekins **
Adrian Leigh Mikol
Brinda Monian (H)(UHP)(V) ***
Nathan Douglas Mosley *
William Francis Mullen, IV *
Alexander Craig Myers
Quin Patrick Nelson (C) *
Jedethan Niemand
John Gerard Nugent, III **
Joseph Boardman Ogden, II *
Kevin Lewis Oliver
Samantha Joy Olson *
Thomas Powell Osteen (C)
Ashley Nicole Overcash
Matthew Robert Parham (C) **
Katharine Colonna Payne *
Garrett Walker Pengelly (C)
Benjamin Aaron Perkins *
Tyler Cole Pickard
Erih Elizabeth Rahl **
Jessamyn Claire Ren
Christopher Lee Rhodes
Christopher Drake Richmond ***
Jeremy Allen Roberts (S) **
Tyler James Roberts (C) *
Johnathan Ray Roesch (C) ***
Thea Esme Rooper *
Justin Conrad Russell
Ahmed Sherif Sany ***
Andrew Pablo Santos (H)(UHP)(V) ***
Brian Gregory Schuster (H)(UHP)(V) ***
Nikolai Leonid S Ignov (V) ***
William Eduardo Sime
Ross Curtis Smith (V) ***
Rachel Ann Snyder **
Ashley Marie Sough
Ashwin Paul Srikrishna (H)(UHP) *
Chase Michael Stamey **
Michael John Steigerwald (C)(UHP) **
Jessica Mary Strzyzewski
Megan Elizabeth Szakasits ***
Joseph Alexander Szarek (C) **
Yui Terada *
Austin Douglas James Uzzell ***
Andrew Todd Van Brunt *
Spencer Pedersen Vaughn
Eric Urban Vetterl
Ellery Anne Ward (S) **
Kevin Lawrence Ward (S)(V) ***
James Michael Watts, Jr.
William Craig Watts
Robert James Wayland, Jr.
Branigan James Wheeler
Nathan Paul Yinger ***

* Cum Laude
# Summer 2013 graduate
C – Cooperative Education Program
H – Departmental Honors Program
S – University Scholars Program
UHP – University Honors Program
V – University Valedictorian (4.0 GPA)
Student Accomplishments

Jason Barry Baker: BS Economics, Ben Franklin Scholars Program
Eric Clifton Blake: Biological Sciences Minor
Joel Chaouki Boulos: STEP (Short-Term Experiential Partnership) Program
Bethany Charlotte Brewer: Spanish Minor, Michael B. Christie Scholarship, Merck Engineering and Technology Scholarship
Joseph Scott Brown: Culperson Scholarship, Henry B. and Virginia Smith Scholarship
Christine Marie Burdett: BS Spanish, Benjamin Franklin Scholars, Thomas Scholarship, Engineering Senior Award for Humanities
Lauren Elizabeth Cagley: Park Scholarship
Ransford Kenya Damptey: BS Applied Mathematics, ABRCMS 2012 Award
Michael Joshua Doriani: James M. and Laura B. Johnson Scholarship, Eastman Award of Excellence in Chemical Engineering
Bassil Mohamad El-Zaatari: BA Chemistry, Caldwell Fellows Program
Jessica Marie Ewy: Russ O'Dell Senior Award
Jonas Burnham Gilbert: Goodnight Scholarship
Ida Wambui Githu: BA Chemistry (Meredith College)
Kyle Nicholas Goodman: BA Psychology, Biotechnology Minor, Benjamin Franklin Scholars Program, Culperson Scholarship
Adrien Hauswald: Business Management Minor
James Robert Hensley: BA Spanish Language and Literature, BA Philosophy
Jamie Lee Johnson: Biotechnology and Spanish Minors, Provost's Academic Award, President of Engineering World Health
Ashley Lynn Kelly: Biological Sciences Minor, Richard M. Jones Scholarship
Isaac Paul Kichak: Minors in Business Administration and Pulp and Paper Science, Engineering Senior Award for Leadership, Culperson Scholar
Heidi Elizabeth Kluemp: Park Scholarship, Goldwater Scholarship
Esther Meerim Lee: Biological Sciences Minor, Forrest O. and Sandra Mixon RTI Scholarship
Sarah Kaitlyn Long: Minors in Biotechnology and Middle East Studies, ACCE Undergraduate Fellowship in Creativity and Innovation Award
Cayle Elizabeth Machek: BS Paper Science & Engineering
Ashley Jasymn Massey: BS Paper Science & Engineering
Logan Robert Scruggs Maxwell: Materials Science and Engineering Minor
Steven Andrew Mazur: Park Scholarship, Golden Chain, Minors in Business Administration and Biotechnology
Heather Dawn McMahon: Biotechnology Minor
Richard Alan McNeil, Jr.: BS Paper Science & Engineering
Adrian Lee Mikol: Biotechnology Minor
Brinda Monian: BS Biochemistry, Caldwell Fellows Program, Goldwater Scholar, NSF Graduate Fellowship, Eng. Senior Award for Scholarship
Nathan Douglas Mosley: BS Paper Science & Engineering
William Francis Mullen, IV: Engineering Career Fair Mgr, Engineering Ambassador, Chancellor's Aide, Golden Chain, Garwood Scholarship
Quin Patrick Nelson: Business Administration Minor
Barton Memorial Scholarship, Bobst Scholarship
Garrett Walker Pengelly: Business Administration Minor, Fujifilm Diosynth Biotechnologies Scholarship
Tyson Cole Pickard: BS Paper Science & Engineering
Christopher Lee Rhodes: Biomanufacturing Minor, MedProRX Scholarship, Professor Ulla Hedner Scholarship
Christopher Drake Richmond: Novo Nordisk Scholarship
Jeremy Allen Roberts: Graphic Communications Minor
Johnathan Ray Roesch: BS Paper Science & Engineering, Business Administration Minor
Thea Esme Roper: Caldwell Fellows Program
Andrew Pablo Santos: Spanish Minor, Astronaut Scholarship, Sidney F. Mauney Scholarship, Culperson Scholarship
Brian Gregory Schuster: Caldwell Fellows Program, Udall Scholar, Golden Chain, Minors in German, Microbiology, and Biotechnology
Nikolai Leonid Sigmon: Biotechnology Minor, Beckstoffer Endowed Scholarship, Undergraduate Research Grant Award
Rachel Ann Snyder: Biotechnology Minor
Ashley Marie Sough: Biotechnology Minor, Initiative for Maximizing Student Diversity Scholar
Ashwin Paul Srikrishna: Culperson Scholarship
Megan Elizabeth Szakasits: Benjamin Franklin Scholars Program
Ellery Anne Wheeler: Minors in Spanish and Biomanufacturing, Biogen Idec Scholarship
Branigan James Wheeler: Biomanufacturing Minor

These students served as officers in Alpha Omega Epsilon (Engineering Sorority), American Institute of Chemical Engineers (AIChe), Engineers’ Council, Engineers Without Borders, Omega Chi Epsilon (National Chemical Engineering Honor Society), Technical Association of the Pulp and Paper Industry (TAPPI), or Theta Tau (Engineering Fraternity)

Ashley Lynn Kelly, Isaac Paul Kichak, Esther Meerim Lee, Nathan Douglas Mosley, Katharine Colonna Payne, Brian Gregory Schuster, Nikolai Leonid Sigmon, Garrett Walker Pengelly, Andrew Pablo Santos

Photographs from graduation, including individual photos of each graduate and the class photo, can be ordered at www.JimmyAllenPhotography.com

1200 copies of this document were printed at a cost of $500 with state funds.